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S-E-C-R-E-T

AGENDA
Meeting No. 46
Research, Development and Production Review Board

6 July 1955

Room 2035 "I" Bldg. - 1400 hours

I. Old Business:

1. Review and Approval of the Minutes of Meeting #5.

25X1

2. Report on the [redacted]

II. New Business:

1. Report to the Board on the R&D Budget for 1956-1957.

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2. Report to the Board on the Interchange of Equipment between [redacted] and Commo.

3. Operational Requirement for an Airborne Intercept Warning System.

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25 YEAR RE-REVIEW

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MINUTES
Research, Development and Production Review Board

I. Meeting #46 of the Research, Development and Production Review Board was held in the OC Conference Room at 1430 on 6 July 1955. The following persons were in attendance:

25X1 [redacted]

II. The Minutes of Meeting #45 were reviewed and approved by the Board. The Minutes of the Special Meeting on 10 June 1955 were reviewed and approved by the Board.

III. Under Agenda Item I, Old Business:

1. Report on HT-4 Replacement

a. The Chief Engineer was requested to give a report on the procurement of the transmitters to replace the HT-4. He reported that the Office of Logistics had obtained a revised quotation from the [redacted] and were about to process a contract with that company without further consultation with the Engineering Division. When this information was obtained the action was stopped and it was decided to pursue the procurement of these transmitters during F.Y. 1956. The specifications for the transmitters are being reworked to include in the specifications those items that were formerly carried in an addendum thereto.

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25X1 [redacted]

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b. The Supplemental Programs Division representative stated that there might be a future requirement for such a device to be employed in some of the operations under his cognizance and therefore requested that this item not be cancelled as a possible project but be held in abeyance for the present. The Board concurred in this course of action.

3. Report of Significant Changes in Project Status

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a. A meeting was held with the Operations Division approximately one month ago to solidify the operational characteristics for future development on [redacted] equipment. The Engineering Division is awaiting word from the Ops Division as to their desires on this equipment. The Air Force has indicated that in approximately 2-3 weeks they desire to hold a meeting to discuss future planning for [redacted] equipment.

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b. [redacted] stated that the Agency must go forward with the development of [redacted] equipment whether or not the Air Force wishes to continue. Accordingly, as soon as the Agency requirements have been determined, a request will be made to hold a Steering Committee meeting and at that time the Agency's requirements will be presented to the Air Force and a determination made as to whether joint procurement is feasible.

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c. The question of disclosure of information to the Army and Navy was raised and the Chairman reported that he had made several attempts to set up a JCEC meeting for the purpose of disclosing such information but to date had been unsuccessful.

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OC ACTION [redacted] stated that he would contact General Blake, Director of Communications, USAF, and would attempt to resolve this problem through him.

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a. Project Engineer traveled to [redacted] to conduct comparative flight tests on the [redacted] with modified ground plane antenna and with a visual indicator. The test runs were very inconclusive since the facilities available were not suitable for conducting tests of this type. The [redacted] air-borne gear is presently being installed in [redacted] for further flight testing and upon return of the URC-4 equipment from [redacted] further tests will be conducted on this equipment.

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b. Considerable discussion took place on the firming up of requirements for [redacted] The Chief Engineer stated that it was the opinion of the Engineering Division that a null type [redacted] would never prove satisfactory for the intended purpose; rather, a Beacon incorporating a positive indication would be preferable. The Chief Engineer reported to the Board that it

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appeared the DD/P Materiel Board, to whom this problem was referred, would come up with a recommendation that the Office of Communications continue in the present interim [redacted] program but that TSS be charged with the responsibility for the long range [redacted] program. The Board concurred in the Chief Engineer's feeling that no further action on the development of the new [redacted] should be taken until a reply had been received from the DD/P Materiel Board.

BURIAL CONTAINERS:

The initial run of 200 each of the 3 types of plastic containers has been completed and work on strengthening the corners continues.

VOICE SECRECY:

The contractor reports that the equipment is operating satisfactorily and Engineering and NSA personnel will visit the the plant on the 15th of July to witness a demonstration prior to the shipment of the equipment to NSA for evaluation.

[redacted]

The Laboratory is presently modifying on a crash basis a TSS unit. The modification is aimed at the producing a unit that will [redacted] It is anticipated that this equipment will be made available to [redacted] the requester, approximately 1 August.

VLF RECEIVER:

The [redacted] unit was tested in the Laboratory and found to have a considerable number of objectionable features, mainly, spurious signals and unwanted oscillation. The deficiencies have been discussed with the chief engineer of the [redacted] Company and the unit has been returned to them for rework.

CRYSTAL VIDEO EQUIPMENT:

At the request of SPD, an engineer is leaving the end of this week for [redacted] to assist them in repairing the existing equipment and putting it in first class operating condition. A training course on the crystal video equipment is being established at the Laboratory to commence 12 July for the purpose of training a [redacted] engineer as well as other SPD personnel in the operation and maintenance of this equipment.

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RS-13:

The 8 field units have been delivered by the contractor. One of them has been returned for some additional work. The Laboratory is proceeding on the fabrication of the base station units, 2 of which are now complete. A field test of the 13 is scheduled to take place the week of July 11. An Engineering Division representative will travel to [redacted] approximately 1 August for the purpose of checking out base station personnel in the operation of both the field and base equipment.

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ELECTRONIC KEYER:

The circuitry of one unit has been completed and it is estimated that in approximately 2 weeks the mechanical work on this unit will be finished.

DISC CONE ANTENNAS:

One unit was completed and delivered to SPD and they report that it functioned very well. Six additional units are nearing completion.

AS-2:

The amplifier and power supply designs for the receiver have been completed and components are being procured for fabrication.

MULTICOUPLER:

The report on the multicoupler is being typed at present and will be issued shortly.

SPECIAL PROJECT:

The Engineering Division is devoting a considerable number of man hours to a crash project in support of [redacted] 25X1

IV. Under Agenda Item II, New Business:

A. Report to the Board on the R&D Budget for 1956-1957. The Board was informed of the present status of the R&D budget. The Board will consider the budget with a view toward grouping items on a priority basis and the Engineering Division will advise as to the suitability of such groupings. In order that the members of the Board may have copies of the finalized budget the Plans and Policy representative agreed to furnish the Engineering Division with a copy of this budget so that it may be reproduced and distributed.

OC-P&P, OC-E ACTION

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It was noted that this budget had not been submitted to the Board prior to its approval and it was agreed that in the future the R&D budget will be submitted to the Board for review.

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B. Report to the Board on the Interchange of Equipment between the [redacted] and the Office of Communications. [redacted] gave a brief run-down on the status of the agreement reached between [redacted] and ourselves at the recent meetings. He stated that the DCI had approved the agreement and that the [redacted] Chief had approved it in principle with two suggested clarifying changes. These changes were also agreed to by the DCI. The Chief Engineer then indicated some of the equipments that had been agreed upon as items to be exchanged and stated that now that approval had been obtained some of the items could be dispatched immediately.

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[redacted]

V. The meeting adjourned at 1645 hours. The next meeting of the Ideas and Requirements Panel will be held on 20 July 1955 and the next regular meeting of the Board will be held on 3 August 1955.

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[redacted]

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Distribution:

[redacted]

Members and those in attendance
listed in Paragraph I
R&D Internal Projects
R&D External Projects (2)

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